Guidance Document for Process Flow Diagrams

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Disclaimer: The BAPC reserves the right to modify this guidance at any time. This document supersedes any previous documents that relate to process flow diagrams issued by the BAPC.
Example of a Process Flow Diagram

Legend

- Baghouse Flow
- Water Sprays
- Material Flow Path
- Weigh Belt

IA1.001 1,000 gallon Diesel Fuel Tank
IA1.002 13,000 gallon Diesel Fuel Tank

PF1.001 40 tph
PF1.002 40 tph
PF1.003 40 tph
PF1.004 40 tph
PF1.005 Lime Silo Loading 30 tph
PF1.006 Lime Silo Unloading 30 tph
PF1.007 30 tph

Conveyor 1
Conveyor 2
Conveyor 3
Conveyor 4
Conveyor 5

S2.001 Screen 60 tph
S2.002 Crusher 20 tph
Baghouse
Stockpile 1

IA1.001 1,000 gallon Diesel Fuel Tank
IA1.002 13,000 gallon Diesel Fuel Tank

Baghouse Flow
Water Sprays
Material Flow Path
Weigh Belt
Example of a Process Flow Diagram

The following items, at a minimum, must be shown:
1) All emission units at the facility are accounted for;
2) If the diagram spans multiple pages, the continuation of pages are coherent;
3) All air pollution controls are shown;
4) If hand drawn, must be legible;
5) All units are labelled with corresponding emission unit ID (ex. S2.001, PF1.002, IA1.003, etc.);
6) Emission unit and associated transfers are combined (ex. S2.001 – Screen and Associated Transfers (In from Conveyor 2, Out to Conveyor 3);
7) Location of Weigh Belts;
8) Insignificant Activities are included;
9) Location and size of Tanks;
10) Bypass and recirculation lines; and
11) Throughput rates (e.g. tons per hour, gallons per hour) to determine the flow of material.

<table>
<thead>
<tr>
<th>Emission Unit #</th>
<th>Emission Unit Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>PF1.001</td>
<td>Loader Transfer to Hopper</td>
</tr>
<tr>
<td>PF1.002</td>
<td>Hopper Transfer to Conveyor 1</td>
</tr>
<tr>
<td>PF1.003</td>
<td>Conveyor 1 Transfer to Conveyor 2</td>
</tr>
<tr>
<td>S2.001</td>
<td>Screen and Associated Transfers (In from Conveyor 2, Out to Conveyor 3)</td>
</tr>
<tr>
<td>S2.002</td>
<td>Crusher and Associated Transfers (In from Conveyor 3; Out to Conveyor 4)</td>
</tr>
<tr>
<td>PF1.004</td>
<td>Conveyor 5 Transfer to Stockpile 1</td>
</tr>
<tr>
<td>PF1.005</td>
<td>Lime Silo Loading</td>
</tr>
<tr>
<td>PF1.006</td>
<td>Lime Silo Unloading (to Auger 1)</td>
</tr>
<tr>
<td>PF1.007</td>
<td>Auger 1 Transfer to Truck</td>
</tr>
</tbody>
</table>